

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1-10. (Canceled)

11. (Currently Amended) An isolated polypeptide monomer comprising an alpha subunit of a heteromeric potassium channel, the polypeptide monomer:

(i) having the ability to form, with at least one additional voltage-gated potassium channel (K_v) alpha subunit, a heteromeric potassium channel having the characteristic of voltage gating; and

(ii) having an amino acid sequence that has greater than 90% 95% amino acid sequence identity to SEQ ID NO:17.

12-13. (Canceled)

14. (Previously presented) The isolated polypeptide monomer of claim 11, wherein the polypeptide monomer has the amino acid sequence of SEQ ID NO:17.

15-36. (Canceled)